BIAMP

CPA130
Commercial Power Amplifier

CPA130 dual-channel power amplifiers are designed to supply reliable service in permanent installations. CPA130 amplifiers have complete short-circuit and thermal protection with automatic reset. Barrier strip input and 5-way binding post output connectors provide trouble-free, dependable connections. CPA130 amplifiers are passively cooled for quiet operation, without fan noise or filter maintenance. CPA130 amplifiers are covered by a five-year warranty.

FEATURES

- balanced inputs on barrier strip terminals
- 65 watts/channel @ 4 ohms (stereo)
- 40 watts/channel @ 8 ohms (stereo)
- 130 watts @ 8 ohms (mono bridge)
- peak indicators on each channel
- detented level controls (front or rear mounting)
- complete short-circuit and thermal protection
- turn-on muting to prevent "thumping"
- selectable stereo or mono bridge operation
- internal jumpers select HPF (18dB/octave @ 180Hz)
- passively cooled (no fan noise or maintenance)
- optional distribution autoformers (rear panel mounting)
- **RoHS** compliant with EU Directive 2002/95/EC
- covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The power amplifier shall be capable of stereo or mono-bridged operation. It shall provide a reliable minimum power output of 65 Watts per side into 4 Ohm loads in stereo mode, 40 Watts per side into 8 Ohm loads in stereo mode, or 130 Watts into an 8 Ohm load in mono-bridged mode. The amplifier shall be passively cooled, and shall have complete short-circuit and thermal protection with automatic reset. Input connections shall be barrier strip terminals, and output connections shall be 5-way binding posts. An internal jumper shall also select a 18dB/octave 180Hz high-pass filter. The rotary level controls shall be able to be mounted on the front or rear panel. The amplifier shall have a front panel power indicator, as well as a peak indicator for each channel. Rear panel holes shall provide mounting of optional autoformers for distributed speaker systems.

Frequency Response shall be +0/-1dB from 20Hz to 20kHz. THD + Noise shall be less than 0.2% from 20Hz to 20kHz at rated power. Signal-to-Noise Ratio shall be greater than 96dB at rated power into 4 Ohms. Power consumption shall be less than 300 Watts. Dimensions shall be 3.5 inches (2 rack spaces) high, 19 inches wide, and 10 inches deep. Weight shall be 22 lbs. The amplifier shall be compliant with EU Directive 2002/95/EC, the RoHS directive. The amplifier shall carry a five-year warranty.

The amplifier shall be a BIAMP CPA130.

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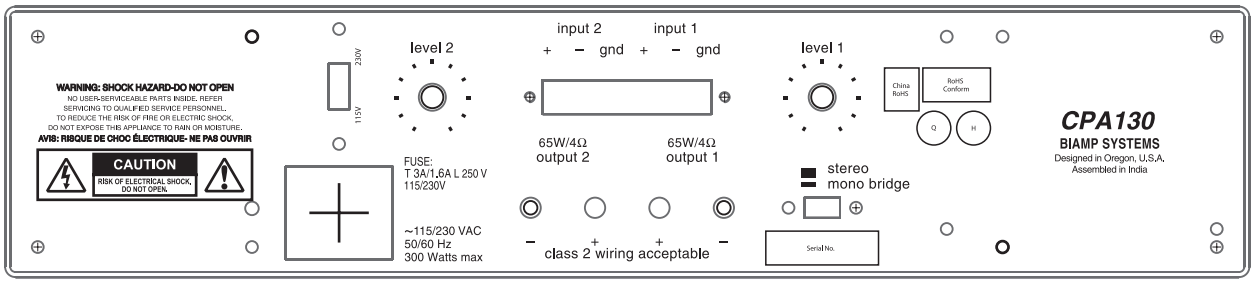
CPA130 SPECIFICATIONS

Maximum Power Output (2kHz, 120VAC):	
both channels driven into 4 ohms	65 watts/channel
both channels driven into 8 ohms	40 watts/channel
mono-bridge into 8 ohms	130 watts
Signal-to-Noise Ratio (0Hz~30kHz):	
rated power into 8 ohms	> 96dB
Total Harmonic Distortion + Noise:	
20Hz~20kHz @ rated power	< 0.2%
2kHz @ rated power (typical)	< 0.1%
Intermodulation Distortion (SMPTE):	< 0.35%
Frequency Response (20Hz~20kHz):	+0/-1dB
Input Sensitivity:	0.775 Vrms (0dBu)

Input Impedance:	
balanced	20k ohms
unbalanced	10k ohms
Power Requirements:	120/240VAC 50/60Hz
Power Consumption:	300 watts max.
Dimensions:	
height (2 rack spaces)	3.5 inches (89mm)
width	19 inches (483mm)
depth	10 inches (254mm)
Weight:	22 lbs. (9.98kg)
Compliance:	EU Directive 2002/95/EC, RoHS directive

CPA130 REAR PANEL DIAGRAM



CPA130 REAR PANEL DIAGRAM